the specific entity, evaluating social data from a global user base, and evaluating generic response options. In some examples, collecting response data comprises: determining, by the chat bot, the personality index does not comprise data for addressing one or more parts of the submitted dialogue; composing, by the chat bot, one or more questions to address the data not comprised in the personality index; and posing, to a user interacting with the chat bot, the one or more questions.

Aspects of the present disclosure further provide a method for creating a conversational chat bot of a specific entity, the method comprising: receiving a request associated with a specific entity; accessing social data associated with the specific entity, the social data comprising at least one of images of the specific entity, voice data for the specific entity, conversational data associated with the specific entity, and publicly available information about the specific entity; using the social data to create a personality index, wherein the personality index comprises personality information for the specific entity; and using the personality index to train a chat bot to interact conversationally using the personality of the specific entity. In some examples, the specific entity corresponds to at least one of a friend, a relative, an acquaintance, a celebrity, a fictional character and a historical figure. In some examples, the personality index provides access to data from the specific entity and to a generalized chat index. In some examples, the method further comprises processing the social data using at least one of machine learning techniques and one or more rule sets, wherein processing the social data comprises identifying conversation data collected for the specific entity and identifying conversation data collected for one or more entities similar to the specific entity. In some examples, identifying conversation data collected for one or more entities similar to the specific entity comprises determining similarities between the one or more entities and the specific entity using at least one of expression analysis techniques, approval indicators, and characteristics comparisons. In some examples, the compared characteristics comprise at least one of demographic data, behavioral data, content style, and psychographic data.

Aspects of the present disclosure further provide a computer-readable storage device storing computer executable instructions that when executed cause a computing system to perform a method for creating a conversational chat bot of a specific entity, the method comprising: receiving a request associated with a specific entity; accessing social data associated with the specific entity, the social data comprising at least one of images of the specific entity, voice data for the specific entity, conversational data associated with the specific entity, and publicly available information about the specific entity; using the social data to create a personality index, wherein the personality index comprises personality information for the specific entity; and using the personality index to train a chat bot to interact conversationally using the personality of the specific entity. In some examples, the personality index is associated with one or more data processing algorithms for processing the social data, wherein the one or more data processing algorithms correspond to at least one of chat bot interaction rules, image classification rules, and data acquisition rules. In some examples, training the chat bot comprises applying to the chat bot at least one of a voice font of the specific entity, a 2D image of the specific entity, and a 3D image of the specific entity. In some examples, the method further comprises: receiving, by the trained chat bot, dialogue from a user via an interface accessible to the computer-readable storage device; and generating, by the chat bot, a response to the received dialogue, wherein generating the response comprises utilizing a data traversal process to collect response data from one or more data sources accessible to the personality index.

Aspects of the present disclosure are described above with reference to block diagrams and/or operational illustrations of methods, systems, and computer program products according to aspects of the disclosure. The functions/acts noted in the blocks may occur out of the order as shown in any flowchart. For example, two blocks shown in succession may in fact be executed substantially concurrently or the blocks may sometimes be executed in the reverse order, depending upon the functionality/acts involved.

The description and illustration of one or more aspects provided in this application are not intended to limit or restrict the scope of the disclosure as claimed in any way. The aspects, examples, and details provided in this application are considered sufficient to convey possession and enable others to make and use the best mode of claimed disclosure. The claimed disclosure should not be construed as being limited to any aspect, example, or detail provided in this application. Regardless of whether shown and described in combination or separately, the various features (both structural and methodological) are intended to be selectively included or omitted to produce an embodiment with a particular set of features. Having been provided with the description and illustration of the present application, one skilled in the art may envision variations, modifications, and alternate aspects falling within the spirit of the broader aspects of the general inventive concept embodied in this application that do not depart from the broader scope of the claimed disclosure.

What is claimed is:

1. A system comprising:

at least one processor; and

memory coupled to the at least one processor, the memory comprising computer executable instructions that, when executed by the at least one processor, performs a method for creating and interacting with a conversational chat bot of a specific entity, the method comprising:

receiving a request associated with a specific entity;

accessing social data associated with the specific entity, the social data comprising at least one of: images of the specific entity, voice data for the specific entity, conversational data associated with the specific entity, and publicly available information about the specific entity;

using the social data to create a personality index, wherein the personality index comprises personality information for the specific entity;

using the personality index to train a chat bot to interact conversationally using the personality information of the specific entity;

receiving, by the chat bot, dialogue;

generating, by the chat bot, a response to the dialogue using a hierarchical data traversal process to collect response data from one or more data sources accessible to the personality index, wherein collecting the response data comprises:

determining, by the chat bot, the personality index does not comprise data for addressing one or more parts of the dialogue;

composing, by the chat bot, one or more questions to address the data not comprised in the personality index; and